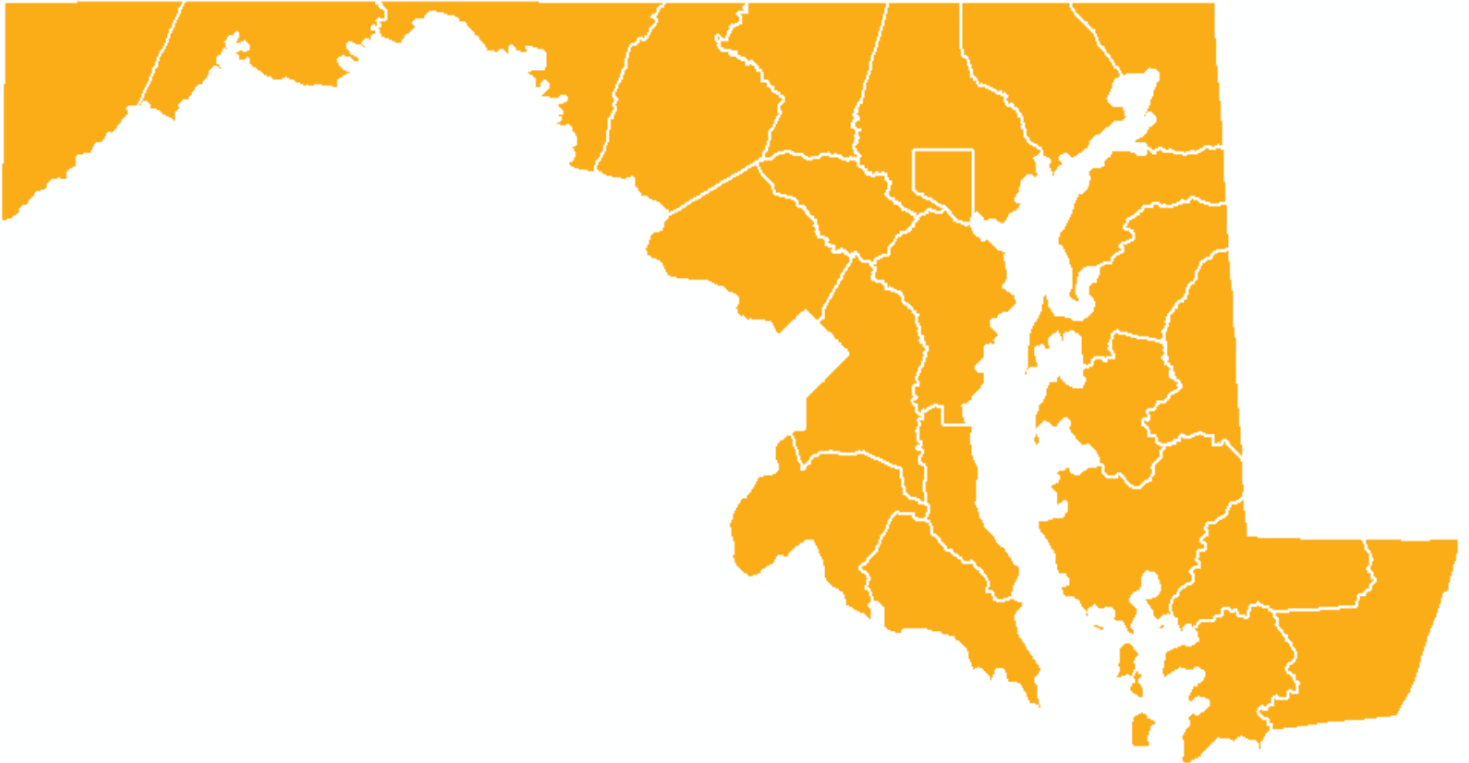


2017



Maryland Annual HIV Epidemiological Profile Gender Diverse People Supplement

Data reported through June 30, 2018



Center for HIV Surveillance, Epidemiology and Evaluation
Infectious Disease Prevention and Health Services Bureau
Prevention and Health Promotion Administration
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This report was prepared by the following CHSEE staff: Alyssa Arey, Morgan Boyer, James Carrier, Colin Flynn, Molly Gribbin, Veronica Hart, Trevor Hsu, and Jami Stockdale.

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Section I – Background Information

Gender Diverse People

This supplemental report provides detailed demographic and care data for HIV diagnosed gender diverse people in Maryland. For the purposes of this report, gender diverse people are defined as people who have a gender identity or gender expression that differs from their assigned sex at birth.

Transgender Female: A person whose sex assigned at birth is male but whose gender identity is female.

Transgender Male: A person whose sex assigned at birth is female but whose gender identity is male.

Another Gender Identity: Additional gender identities or gender expressions.

Gender Identity: refers to one's internal understanding of one's own gender, or the gender with which a person identifies.

Gender Expression: people's outward presentation of their gender which may or may not conform to socially defined behaviors and characteristics typically associated with being either masculine or feminine.

Limitations in the HIV/AIDS Data

This epidemiological profile only contains data for gender diverse people with diagnosed HIV that have been diagnosed by a health care provider, were reported to the health department by name, and were residents of Maryland at the time of diagnosis or are current residents of Maryland as of December 31, 2017. Historically, it has been difficult to fully present data by gender identity. Data on gender diverse people has been limited in the Maryland Department of Health's Enhanced HIV/AIDS Reporting System (eHARS). No reliable system exists for collecting or reporting gender identity and some agencies do not collect or have complete data on gender identity. This report is likely underreporting the number gender diverse people with diagnosed HIV because of challenges in accurately identifying and reporting gender identity in HIV surveillance. Surveillance is the ongoing systematic collection, analysis, interpretation, and dissemination of case report data. Case report data are only available for cases receiving medical care and only includes information that has been reported to the health department.

The most recent Centers for Disease Control and Prevention (CDC) estimate of the number of people living with undiagnosed HIV infection is 14.5 percent for the United States and 14.0 percent for Maryland in 2015. Using the CDC CD4 depletion model on Maryland surveillance data, the estimated number of people living with undiagnosed HIV infection in Maryland is 11.6 percent in 2016. Gender diverse people are at increased risk for HIV infection and research has shown markedly higher rates of HIV among gender diverse people.

This epidemiological profile provides estimates of living Maryland diagnosed cases by current residence as of December 31, 2017. Residence at diagnosis and age at diagnosis are used exclusively to describe new HIV and AIDS diagnoses. Current residence data are restricted to cases for which there is a case report form or laboratory test reported since January 1, 2009. Restricting address data to recent years presents the most accurate data available and helps to account for cases that may have moved out of state whose data would no longer be reported in Maryland. However, current residence data excludes cases that may still be residents of Maryland but have not received any HIV care during the most recent nine and a half years. In addition, residence is dynamic and cases may have resided at multiple addresses that cannot all be represented in single time point estimates.

Lastly, the completeness of reporting for race/ethnicity is variable in surveillance data. Definitions of race/ethnicity categories may vary across agencies and some agencies do not collect or have complete data on race/ethnicity. This report may be overreporting the number of Multiracial HIV and AIDS cases because of challenges in accurately identifying and reporting race/ethnicity in HIV surveillance.

Sources of Data

Information on HIV and AIDS diagnoses, including residence at diagnosis, age, race/ethnicity, sex at birth, current gender, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from the Maryland Department of Health's eHARS, June 30, 2018.

The continuum of care is adapted from a 2011 article in Clinical Infectious Diseases in which a continuum of care “cascade” is used to illustrate estimates of the number of people living with HIV who belong to each of the stages of engagement in HIV care.

For additional information and national estimates please visit the Centers for Disease Control and Prevention’s website: <https://www.cdc.gov/hiv/group/gender/transgender/index.html>

Tabulation of Column Totals

Numbers in figures, tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

Data Suppression

In order to protect the confidentiality of reported HIV cases, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than 5 cases.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

HIV Exposure Categories

The Centers for Disease Control and Prevention (CDC) developed a hierarchy of exposure categories for surveillance purposes. Persons with more than one reported risk factor are classified in the exposure category listed first in the hierarchy and therefore counted only once. Men who have sex with men and report injection drug use constitutes a separate transmission category.

Sexual Contact: Persons who report a history of sexual contact with a person who is known to have an HIV infection or at high risk for an HIV infection. High risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue and artificial insemination.

Sexual Contact/IDU: Persons who report a history of sexual contact with a person who is known to have an HIV infection or at high risk for an HIV infection who also have engaged in injection drug use.

Injection Drug Use (IDU): Persons who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

Perinatal Exposure: Any baby born to an HIV positive mother.

Other Exposure: Persons who received clotting factor for hemophilia/coagulation disorder, or received a transfusion of blood/blood components, or received a transplant of tissue/organs or artificial insemination, or worked in a health care or clinical laboratory setting.

Not all exposure data is reported and is therefore missing for some cases. Multiple imputation is a statistical method by which missing exposure categories are replaced with estimated or probable exposure categories. Multiple imputation involves filling in the missing exposure category with multiple possible exposures, creating several complete datasets. Filling in the missing exposure category is done using the observed data for the individual case as well as data in aggregate from other cases in Maryland. The complete datasets, containing the various predictions for each missing exposure category, are combined to create a final dataset with previously missing exposure category replaced by weighted estimates. Perinatal transmission and other exposure categories are never estimated or adjusted and depict the reported exposure category.

Additional Information:

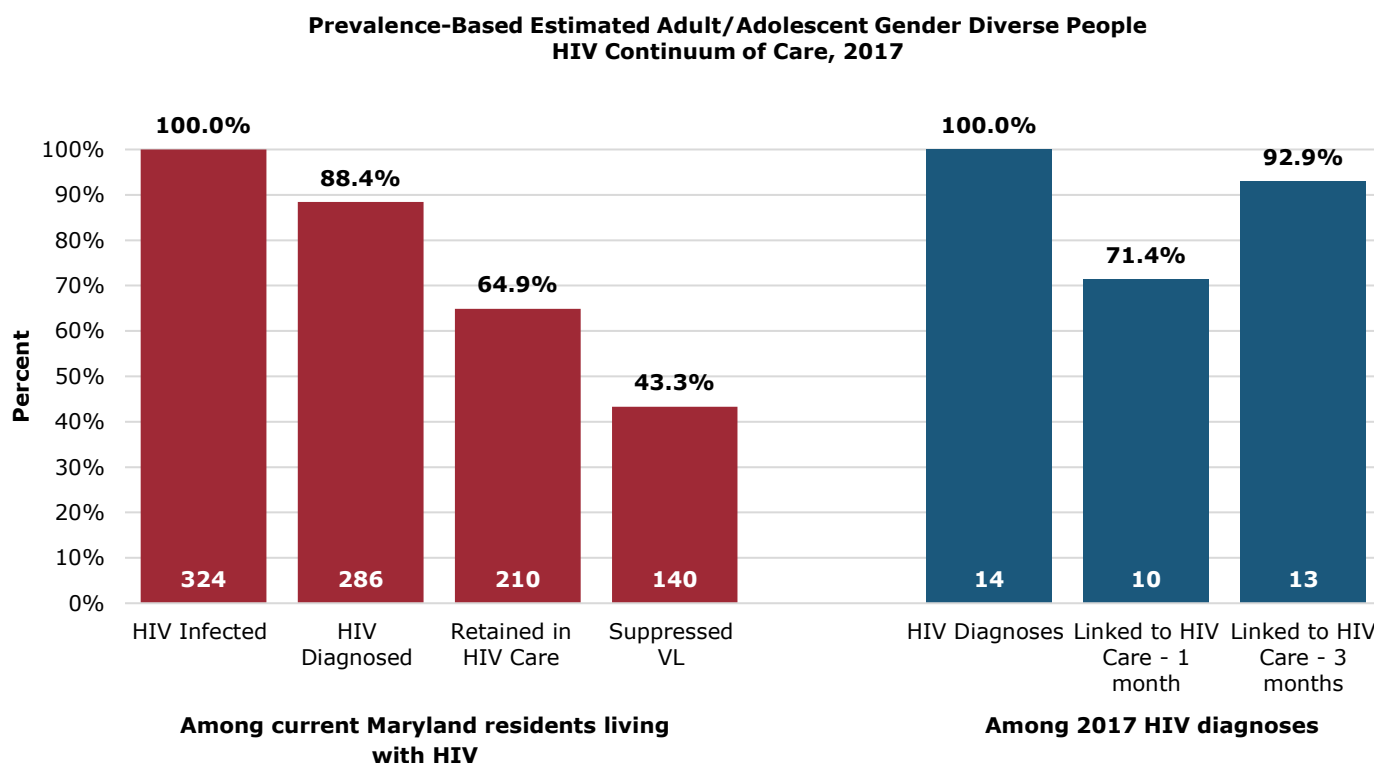
For additional information on HIV/AIDS reporting requirements, assistance with HIV/AIDS reporting, the stages of an HIV/AIDS case, definitions of case terminology, and laboratory data, please see the Annual Maryland HIV Epidemiological Profile.

Section II – Continuum of Care Cascades

In their 2011 article in *Clinical Infectious Diseases*, Gardner et al.¹ utilize a continuum of care “cascade” to illustrate estimates of the number of people living with HIV who belong to each of the stages of engagement in HIV care.

Figure 1 – Prevalence-Based Estimated Adult/Adolescent 2017 HIV Continuum of Care Cascades, Gender Diverse People Living in Maryland, Reported through June 30, 2018

The prevalence-based Maryland Engagement in HIV Care Cascades (below) apply the Centers for Disease Control and Prevention (CDC) CD4 depletion model to Maryland surveillance data, reported through June 30, 2018, to estimate the number of people living with undiagnosed HIV (11.6 percent) and the estimated number of HIV infected persons currently residing in Maryland. Maryland surveillance data is then used to describe the number and percentage of gender diverse people living with HIV in Maryland on December 31, 2017 and the number and percentage of new HIV diagnoses in 2017 who belong to each of the stages of engagement in HIV care.



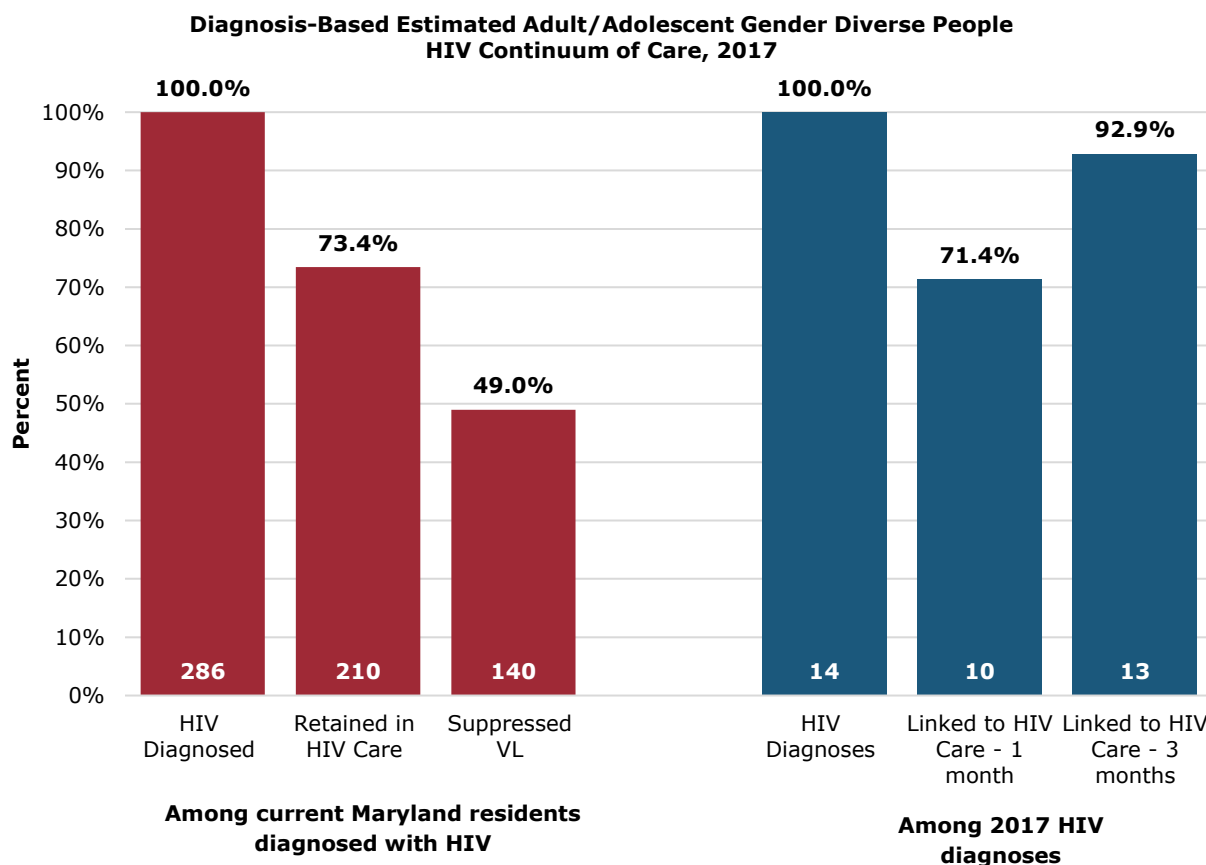
| Continuum of Care Stage | Living HIV Cases | | Continuum of Care Stage | New Diagnoses | |
|-------------------------|------------------|------------|-------------------------------|---------------|------------|
| | Number | Percentage | | Number | Percentage |
| HIV Infected | 324 | 100.0% | New HIV Diagnoses | 14 | 100.0% |
| HIV Diagnosed | 286 | 88.4% | Linked to HIV Care – 1 Month | 10 | 71.4% |
| Retained in HIV Care | 210 | 64.9% | Linked to HIV Care – 3 Months | 13 | 92.9% |
| Suppressed VL | 140 | 43.3% | | | |

¹ Gardner et al, “The Spectrum of Engagement in HIV Care and its Relevance to Test-and-Treat Strategies for Prevention of HIV Infection.” *Clin Infect Dis*. 2011; 52 (6): 793-800.

²Centers for Disease Control and Prevention. Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2015. *HIV Surveillance Supplemental Report* 2017;22(No. 2). <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published July 2017.

Figure 2 – Diagnosis-Based Estimated Adult/Adolescent 2017 HIV Continuum of Care Cascades, Gender Diverse People Living in Maryland, Reported through June 30, 2018

The diagnosis-based Maryland Engagement in HIV Care Cascade (below) uses Maryland surveillance data for current Maryland residents to describe the number and percentage of persons living with HIV in Maryland on December 31, 2017 and the number and percentage of new HIV diagnoses in 2017 who belong to each of the stages of engagement in HIV care.



| Continuum of Care Stage | Living HIV Cases | | Continuum of Care Stage | New Diagnoses | |
|-------------------------|------------------|------------|-------------------------------|---------------|------------|
| | Number | Percentage | | Number | Percentage |
| HIV Diagnosed | 286 | 100.0% | New HIV Diagnoses | 14 | 100.0% |
| Retained in HIV Care | 210 | 73.4% | Linked to HIV Care – 1 Month | 10 | 71.4% |
| Suppressed VL | 140 | 49.0% | Linked to HIV Care – 3 Months | 13 | 92.9% |

Section III – Adult/Adolescent Gender Diverse People Living with HIV by Jurisdiction

Table 1 – Adult/Adolescent Gender Diverse People Diagnosed with HIV during 2017, Linked to Care, Late Diagnosis, and First CD4 Test Result by Jurisdiction of Residence at HIV Diagnosis, Reported through June 30, 2018

| Jurisdiction of Residence at HIV Diagnosis | Adult/Adolescent Reported Gender Diverse People Diagnosed with HIV | | | | | |
|--|--|---------------|----------------|--------------|--------------------|-----------------------|
| | No. | % of Total | Linked to Care | | Late HIV Diagnoses | First CD4 Test Result |
| | | | % 1 mo. | % 3 mo. | % | % Median Count |
| Allegany | 0 | 0.0% | -- | -- | -- | -- |
| Anne Arundel | 1 | 7.1% | *** | *** | *** | *** |
| Baltimore City | 7 | 50.0% | 71.4% | 85.7% | 0.0% | 57.1% |
| Baltimore | 1 | 7.1% | *** | *** | *** | *** |
| Calvert | 0 | 0.0% | -- | -- | -- | -- |
| Caroline | 0 | 0.0% | -- | -- | -- | -- |
| Carroll | 0 | 0.0% | -- | -- | -- | -- |
| Cecil | 0 | 0.0% | -- | -- | -- | -- |
| Charles | 0 | 0.0% | -- | -- | -- | -- |
| Dorchester | 1 | 7.1% | *** | *** | *** | *** |
| Frederick | 0 | 0.0% | -- | -- | -- | -- |
| Garrett | 0 | 0.0% | -- | -- | -- | -- |
| Harford | 0 | 0.0% | -- | -- | -- | -- |
| Howard | 0 | 0.0% | -- | -- | -- | -- |
| Kent | 0 | 0.0% | -- | -- | -- | -- |
| Montgomery | 0 | 0.0% | -- | -- | -- | -- |
| Prince George's | 1 | 7.1% | *** | *** | *** | *** |
| Queen Anne's | 0 | 0.0% | -- | -- | -- | -- |
| Saint Mary's | 1 | 7.1% | *** | *** | *** | *** |
| Somerset | 0 | 0.0% | -- | -- | -- | -- |
| Talbot | 0 | 0.0% | -- | -- | -- | -- |
| Washington | 0 | 0.0% | -- | -- | -- | -- |
| Wicomico | 2 | 14.3% | *** | *** | *** | *** |
| Worcester | 0 | 0.0% | -- | -- | -- | -- |
| Corrections | 0 | 0.0% | -- | -- | -- | -- |
| Total | 14 | 100.0% | 71.4% | 92.9% | 0.0% | 78.6% |

*** Data withheld due to low population counts and/or case counts

Table 2 – Adult/Adolescent Gender Diverse People with Diagnosed HIV Alive on December 31, 2017, by Jurisdiction of Residence at Diagnosis, Reported through June 30, 2018

| Jurisdiction of Residence at Diagnosis | Adult/Adolescent Total Living Gender Diverse People with Diagnosed HIV | | | | | |
|--|--|---------------|---------------|---------------|--------------|---------------|
| | HIV without AIDS | | HIV with AIDS | | Total Living | |
| | No. | % of Total | No. | % of Total | No. | % of Total |
| Allegany | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Anne Arundel | 6 | 3.9% | 4 | 3.4% | 10 | 3.7% |
| Baltimore City | 86 | 55.5% | 61 | 52.1% | 147 | 54.0% |
| Baltimore | 16 | 10.3% | 9 | 7.7% | 25 | 9.2% |
| Calvert | 0 | 0.0% | 1 | 0.9% | 1 | 0.4% |
| Caroline | 1 | 0.6% | 0 | 0.0% | 1 | 0.4% |
| Carroll | 0 | 0.0% | 1 | 0.9% | 1 | 0.4% |
| Cecil | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Charles | 2 | 1.3% | 1 | 0.9% | 3 | 1.1% |
| Dorchester | 2 | 1.3% | 1 | 0.9% | 3 | 1.1% |
| Frederick | 1 | 0.6% | 0 | 0.0% | 1 | 0.4% |
| Garrett | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Harford | 0 | 0.0% | 3 | 2.6% | 3 | 1.1% |
| Howard | 0 | 0.0% | 1 | 0.9% | 1 | 0.4% |
| Kent | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Montgomery | 6 | 3.9% | 9 | 7.7% | 15 | 5.5% |
| Prince George's | 21 | 13.5% | 17 | 14.5% | 38 | 14.0% |
| Queen Anne's | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Saint Mary's | 2 | 1.3% | 1 | 0.9% | 3 | 1.1% |
| Somerset | 1 | 0.6% | 1 | 0.9% | 2 | 0.7% |
| Talbot | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Washington | 1 | 0.6% | 1 | 0.9% | 2 | 0.7% |
| Wicomico | 4 | 2.6% | 1 | 0.9% | 5 | 1.8% |
| Worcester | 0 | 0.0% | 1 | 0.9% | 1 | 0.4% |
| Corrections | 6 | 3.9% | 4 | 3.4% | 10 | 3.7% |
| Total | 155 | 100.0% | 117 | 100.0% | 272 | 100.0% |

Table 3 – CD4 Test Results during 2017 for Adult/Adolescent Gender Diverse People with Diagnosed HIV Alive on December 31, 2017, by Jurisdiction of Current Residence, Reported through June 30, 2018

| Jurisdiction of Current Residence | Adult/Adolescent Total Living Gender Diverse People with Diagnosed HIV | | | | | | | |
|-----------------------------------|--|------------------------|-------------|--------------|-------|---------|---------|-------|
| | No. | Recent CD4 Test Result | | | | | | |
| | | No. with Test | % with Test | Median Count | <200 | 200-349 | 350-499 | 500+ |
| Allegany | 0 | -- | -- | -- | -- | -- | -- | -- |
| Anne Arundel | 16 | 9 | 56.3% | 661 | 11.1% | 0.0% | 33.3% | 55.6% |
| Baltimore City | 140 | 86 | 61.4% | 541 | 11.6% | 16.3% | 15.1% | 57.0% |
| Baltimore | 32 | 17 | 53.1% | 619 | 0.0% | 5.9% | 29.4% | 64.7% |
| Calvert | 1 | *** | *** | *** | *** | *** | *** | *** |
| Caroline | 0 | -- | -- | -- | -- | -- | -- | -- |
| Carroll | 1 | *** | *** | *** | *** | *** | *** | *** |
| Cecil | 1 | *** | *** | *** | *** | *** | *** | *** |
| Charles | 3 | *** | *** | *** | *** | *** | *** | *** |
| Dorchester | 4 | *** | *** | *** | *** | *** | *** | *** |
| Frederick | 2 | *** | *** | *** | *** | *** | *** | *** |
| Garrett | 0 | -- | -- | -- | -- | -- | -- | -- |
| Harford | 5 | *** | *** | *** | *** | *** | *** | *** |
| Howard | 1 | *** | *** | *** | *** | *** | *** | *** |
| Kent | 0 | -- | -- | -- | -- | -- | -- | -- |
| Montgomery | 16 | 15 | 93.8% | 582 | 13.3% | 6.7% | 6.7% | 73.3% |
| Prince George's | 44 | 30 | 68.2% | 602 | 0.0% | 10.0% | 23.3% | 66.7% |
| Queen Anne's | 0 | -- | -- | -- | -- | -- | -- | -- |
| Saint Mary's | 3 | *** | *** | *** | *** | *** | *** | *** |
| Somerset | 1 | *** | *** | *** | *** | *** | *** | *** |
| Talbot | 0 | -- | -- | -- | -- | -- | -- | -- |
| Washington | 3 | *** | *** | *** | *** | *** | *** | *** |
| Wicomico | 3 | *** | *** | *** | *** | *** | *** | *** |
| Worcester | 0 | -- | -- | -- | -- | -- | -- | -- |
| Corrections | 10 | 5 | 50.0% | 465 | 0.0% | 20.0% | 40.0% | 40.0% |
| Total | 286 | 184 | 64.3% | 580 | 7.6% | 12.0% | 21.2% | 59.2% |

*** Data withheld due to low population counts and/or case counts

Table 4 – Viral Load Test Results during 2017 for Adult/Adolescent Gender Diverse People with Diagnosed HIV Alive on December 31, 2017, by Jurisdiction of Current Residence, Reported through June 30, 2018

| Jurisdiction of Current Residence | Adult/Adolescent Total Living Gender Diverse People with Diagnosed HIV | | | | |
|-----------------------------------|--|-------------------------------|--------------|--------------|---------------------|
| | No. | Recent Viral Load Test Result | | | Median Unsuppressed |
| | | No. with Test | % with Test | % Suppressed | |
| Allegany | 0 | -- | -- | -- | -- |
| Anne Arundel | 16 | 8 | 50.0% | 50.0% | 66,150 |
| Baltimore City | 140 | 99 | 70.7% | 70.7% | 16,216 |
| Baltimore | 32 | 19 | 59.4% | 63.2% | 8,410 |
| Calvert | 1 | *** | *** | *** | *** |
| Caroline | 0 | -- | -- | -- | -- |
| Carroll | 1 | *** | *** | *** | *** |
| Cecil | 1 | *** | *** | *** | *** |
| Charles | 3 | *** | *** | *** | *** |
| Dorchester | 4 | *** | *** | *** | *** |
| Frederick | 2 | *** | *** | *** | *** |
| Garrett | 0 | -- | -- | -- | -- |
| Harford | 5 | 5 | 100.0% | 100.0% | |
| Howard | 1 | *** | *** | *** | *** |
| Kent | 0 | -- | -- | -- | -- |
| Montgomery | 16 | 15 | 93.8% | 73.3% | 22,911 |
| Prince George's | 44 | 30 | 68.2% | 90.0% | 16,900 |
| Queen Anne's | 0 | -- | -- | -- | -- |
| Saint Mary's | 3 | *** | *** | *** | *** |
| Somerset | 1 | *** | *** | *** | *** |
| Talbot | 0 | -- | -- | -- | -- |
| Washington | 3 | *** | *** | *** | *** |
| Wicomico | 3 | *** | *** | *** | *** |
| Worcester | 0 | -- | -- | -- | -- |
| Corrections | 10 | 6 | 60.0% | 0.0% | 2,241 |
| Total | 286 | 201 | 70.3% | 69.7% | 11,800 |

*** Data withheld due to low population counts and/or case counts

Section IV – Adult/Adolescent Cases by Demographics

Table 5 – Adult/Adolescent Gender Diverse People Diagnosed with HIV during 2017, Linked to Care, Late Diagnosis, and First CD4 Test Result by Gender, Race/Ethnicity, Age at HIV Diagnosis, and Exposure Category, Reported through June 30, 2018

| Demographic Characteristics | Adult/Adolescent Reported Gender Diverse People Diagnosed with HIV | | | | | | |
|--|--|------------|----------------|------------|--------------------|-----------------------|--------------|
| | No. | % of Total | Linked to Care | | Late HIV Diagnoses | First CD4 Test Result | |
| | | | % 1 mo. | % 3 mo. | % | % | Median Count |
| Gender | | | | | | | |
| Transgender Female | 13 | *** | *** | *** | *** | *** | *** |
| Transgender Male | 1 | *** | *** | *** | *** | *** | *** |
| Another Gender Identity | 0 | -- | -- | -- | -- | -- | -- |
| Age at HIV Diagnosis | | | | | | | |
| 13-19 | 3 | 21.4% | *** | *** | *** | *** | *** |
| 20-29 | 5 | 35.7% | *** | *** | *** | *** | *** |
| 30-39 | 6 | 42.9% | 100.0% | 100.0% | 0.0% | 83.3% | 473 |
| 40-49 | 0 | 0.0% | -- | -- | -- | -- | -- |
| 50-59 | 0 | 0.0% | -- | -- | -- | -- | -- |
| 60+ | 0 | 0.0% | -- | -- | -- | -- | -- |
| Race/Ethnicity | | | | | | | |
| Hispanic | 0 | 0.0% | -- | -- | -- | -- | -- |
| Non-Hispanic | 14 | 100.0% | 71.4% | 92.9% | 0.0% | 78.6% | 476 |
| American Indian/Alaska Native, only | 0 | 0.0% | -- | -- | -- | -- | -- |
| Asian, only | 0 | 0.0% | -- | -- | -- | -- | -- |
| Black, only | 12 | 85.7% | *** | *** | *** | *** | *** |
| Native Hawaiian/Other Pacific Islander, only | 0 | 0.0% | -- | -- | -- | -- | -- |
| White, only | 0 | 0.0% | -- | -- | -- | -- | -- |
| Multiracial/Other | 2 | 14.3% | *** | *** | *** | *** | *** |
| Exposure Category | | | | | | | |
| Sexual Contact | 14 | 100.0% | 71.4% | 92.9% | 0.0% | 78.6% | 476 |
| Injection Drug Use | 0 | 0.0% | -- | -- | -- | -- | -- |
| Sexual Contact and Injection Drugs | 0 | 0.0% | -- | -- | -- | -- | -- |
| Perinatal Transmission | 0 | 0.0% | -- | -- | -- | -- | -- |
| Other Exposure | 0 | 0.0% | -- | -- | -- | -- | -- |
| No Estimated or Reported Exposure | 0 | 0.0% | -- | -- | -- | -- | -- |
| Total | 14 | 100 | 71.4% | 92.9% | 0.0% | 78.6% | 476 |

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total.

*** Data withheld due to low population counts and/or case counts

Table 6 – Adult/Adolescent Gender Diverse People with Diagnosed HIV Alive on December 31, 2017, by Gender, Race/Ethnicity, Age on December 31, 2017, and Exposure Category, Reported through June 30, 2018

| Demographic Characteristics | Adult/Adolescent Total Living Gender Diverse People with Diagnosed HIV | | |
|--|---|------------|--------------------|
| | No. | % of Total | % Living with AIDS |
| Gender | | | |
| Transgender Female | 231 | 80.8% | 40.3% |
| Transgender Male | 54 | 18.9% | 63.0% |
| Another Gender Identity | 1 | 0.3% | 100.0% |
| Age on December 31, 2017 | | | |
| 13-19 | 3 | 1.0% | 0.0% |
| 20-29 | 82 | 28.7% | 25.6% |
| 30-39 | 106 | 37.1% | 43.4% |
| 40-49 | 50 | 17.5% | 52.0% |
| 50-59 | 28 | 9.8% | 67.9% |
| 60+ | 17 | 5.9% | 94.1% |
| Race/Ethnicity | | | |
| Hispanic | 40 | 14.0% | 47.5% |
| Non-Hispanic | 246 | 86.0% | 44.3% |
| American Indian/Alaska Native, only | 0 | 0.0% | 0.0% |
| Asian, only | 0 | 0.0% | 0.0% |
| Black, only | 213 | 86.6% | 42.7% |
| Native Hawaiian/Other Pacific Islander, only | 0 | 0.0% | 0.0% |
| White, only | 15 | 6.1% | 46.7% |
| Multiracial/Other | 18 | 7.3% | 61.1% |
| Exposure Category | | | |
| Sexual Contact | 246 | 86.1% | 39.8% |
| Injection Drug Use | 16 | 5.7% | 77.2% |
| Sexual Contact and Injection Drugs | 21 | 7.2% | 75.2% |
| Perinatal Transmission | 3 | 1.0% | 66.7% |
| Other Exposure | 0 | 0.0% | 0.0% |
| No Estimated or Reported Exposure | 0 | 0.0% | 0.0% |
| Total | 286 | 100.0% | 44.8% |

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total.

Table 7 – CD4 Test Results during 2017 for Adult/Adolescent Gender Diverse People with Diagnosed HIV Alive on December 31, 2017, by Gender, Race/Ethnicity, Age on December 31, 2017, and Exposure Category, Reported through June 30, 2018

| Demographic Characteristics | Adult/Adolescent Total Living Gender Diverse People with Diagnosed HIV | | | | | | | |
|--|--|------------------------|-------------|--------------|-------|---------|---------|-------|
| | No. | Recent CD4 Test Result | | | | | | |
| | | No. with Test | % with Test | Median Count | <200 | 200-349 | 350-499 | 500+ |
| Gender | | | | | | | | |
| Transgender Female | 231 | 146 | 63.2% | 583 | 6.8% | 13.7% | 20.5% | 58.9% |
| Transgender Male | 54 | *** | *** | *** | *** | *** | *** | *** |
| Another Gender Identity | 1 | *** | *** | *** | *** | *** | *** | *** |
| Age on December 31, 2017 | | | | | | | | |
| 13-19 | 3 | *** | *** | *** | *** | *** | *** | *** |
| 20-29 | 82 | 46 | 56.1 | 580 | 4.3% | 10.9% | 21.7% | 63.0% |
| 30-39 | 106 | 70 | 66 | 496 | 12.9% | 17.1% | 21.4% | 48.6% |
| 40-49 | 50 | 34 | 68 | 667 | 2.9% | 5.9% | 20.6% | 70.6% |
| 50-59 | 28 | 16 | 57.1 | 537 | 12.5% | 12.5% | 6.3% | 68.8% |
| 60+ | 17 | *** | *** | *** | *** | *** | *** | *** |
| Race/Ethnicity | | | | | | | | |
| Hispanic | 40 | 29 | 72.5% | 636 | 3.4% | 17.2% | 10.3% | 69.0% |
| Non-Hispanic | 246 | 155 | 63.0% | 570 | 8.4% | 11.0% | 23.2% | 57.4% |
| American Indian/Alaska Native, only | 0 | -- | -- | -- | -- | -- | -- | -- |
| Asian, only | 0 | -- | -- | -- | -- | -- | -- | -- |
| Black, only | 213 | 133 | 62.4% | 567 | 8.3% | 12.8% | 22.6% | 56.4% |
| Native Hawaiian/Other Pacific Islander, only | 0 | -- | -- | -- | -- | -- | -- | -- |
| White, only | 15 | 9 | 60.0% | 667 | 0.0% | 0.0% | 22.2% | 77.8% |
| Multiracial/Other | 18 | 13 | 72.2% | 521 | 15.4% | 0.0% | 30.8% | 53.8% |
| Exposure Category | | | | | | | | |
| Sexual Contact | 246 | 160 | 64.9% | 582 | 7.3% | 11.9% | 21.9% | 58.9% |
| Injection Drug Use | 16 | *** | *** | *** | *** | *** | *** | *** |
| Sexual Contact and Injection Drugs | 21 | 13 | 63.6% | 653 | 7.6% | 15.3% | 7.6% | 69.5% |
| Perinatal Transmission | 3 | *** | *** | *** | *** | *** | *** | *** |
| Other Exposure | 0 | -- | -- | -- | -- | -- | -- | -- |
| No Estimated or Reported Exposure | 0 | -- | -- | -- | -- | -- | -- | -- |
| Total | 286 | 184 | 64.3% | 580 | 7.6% | 12.0% | 21.2% | 59.2% |

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total.

*** Data withheld due to low population counts and/or case counts

Table 8 – Viral Load Test Results during 2017 for Adult/Adolescent Gender Diverse People with Diagnosed HIV Alive on December 31, 2017, by Gender, Race/Ethnicity, Age on December 31, 2017, and Exposure Category, Reported through June 30, 2018

| Demographic Characteristics | Adult/Adolescent Total Living Gender Diverse People with Diagnosed HIV | | | | |
|--|---|-------------------------------|----------------|-----------------|------------------------|
| | No. | Recent Viral Load Test Result | | | Median Unsuppressed |
| | | No. with Test | % with Test | % Suppressed | |
| Gender | | | | | |
| Transgender Female | 231 | 161 | 69.7% | 68.9% | 14,558 |
| Transgender Male | 54 | *** | *** | *** | *** |
| Another Gender Identity | 1 | *** | *** | *** | *** |
| Age on December 31, 2017 | | | | | |
| 13-19 | 3 | *** | *** | *** | *** |
| 20-29 | 82 | 50 | 61.0% | 60.0% | 10,031 |
| 30-39 | 106 | 77 | 72.6% | 63.6% | 18,180 |
| 40-49 | 50 | 37 | 74.0% | 81.1% | 1,310 |
| 50-59 | 28 | 18 | 64.3% | 72.2% | 5,340 |
| 60+ | 17 | *** | *** | *** | *** |
| Race/Ethnicity | | | | | |
| Hispanic | 40 | 32 | 80.0% | 87.5% | 8,908 |
| Non-Hispanic | 246 | 169 | 68.7% | 66.3% | 11,800 |
| American Indian/Alaska Native, only | 0 | -- | -- | -- | -- |
| Asian, only | 0 | -- | -- | -- | -- |
| Black, only | 213 | 145 | 68.1% | 64.8% | 11,800 |
| Native Hawaiian/Other Pacific Islander, only | 0 | -- | -- | -- | -- |
| White, only | 15 | 10 | 66.7% | 80.0% | 1,341 |
| Multiracial/Other | 18 | 14 | 77.8% | 71.4% | 361,001 |
| Exposure Category | | | | | |
| Sexual Contact | 246 | 174 | 70.6% | 67.5% | 10,806 |
| Injection Drug Use | 16 | *** | *** | *** | *** |
| Sexual Contact and Injection Drugs | 21 | 14 | 68.4% | 78.7% | 73,176 |
| Perinatal Transmission | 3 | *** | *** | *** | *** |
| Other Exposure | 0 | -- | -- | -- | -- |
| No Estimated or Reported Exposure | 0 | -- | -- | -- | -- |
| Total | 286 | 201 | 70.3% | 69.7% | 11,800 |

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total.

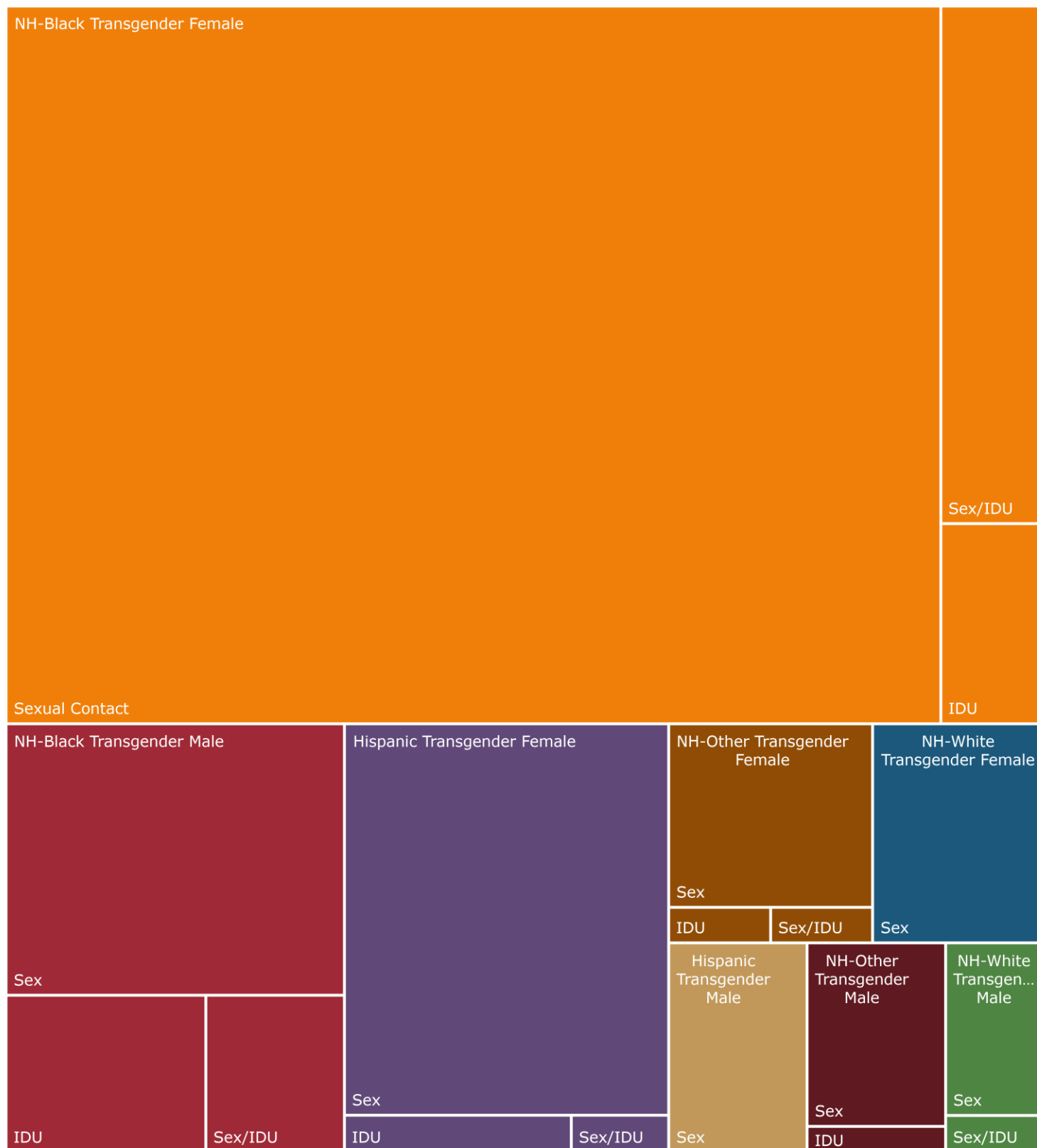
*** Data withheld due to low population counts and/or case counts

Table 9 – Adult/Adolescent Gender Diverse People with Diagnosed HIV, by Exposure Category and Race/Ethnicity, Alive on December 31, 2017, and Reported through June 30, 2018

| Exposure Category | Adult/Adolescent Total Living Gender Diverse People with Diagnosed HIV | | | | | |
|------------------------------------|--|------------|---------------------------|------------|---------------------------|------------|
| | Race/Ethnicity | | | | | |
| | Hispanic | | Non-Hispanic, Black, only | | Non-Hispanic, White, only | |
| | No. | % of Total | No. | % of Total | No. | % of Total |
| Sexual Contact | 37 | 92.5% | 181 | 85.1% | 13 | 86.7% |
| Injection Drug Use | 2 | 5.0% | 12 | 5.7% | 0 | 0.0% |
| Sexual Contact and Injection Drugs | 1 | 2.5% | 18 | 8.3% | 1 | 6.7% |
| Perinatal Transmission | 0 | 0.0% | 2 | 0.9% | 1 | 6.7% |
| Other Exposure | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| No Estimated or Reported Exposure | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Total | 40 | 100.0% | 213 | 100.0% | 15 | 100.0% |

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total.

Figure 3 – Proportion of Adult/Adolescent Gender Diverse People with Diagnosed HIV, by Estimated Exposure Category, Race/Ethnicity, and Gender, Alive on December 31, 2017, Reported through June 30, 2018



Note. Other exposure category and perinatal transmission not shown (<2 percent). Multiple imputation was used to estimate and adjust for missing transmission category.

Table 10 – Engagement in Care for Adult/Adolescent Gender Diverse People with Diagnosed HIV Alive on December 31, 2017, by Gender, Race/Ethnicity, Age on December 31, 2017 and Exposure Category, Reported through June 30, 2018

| Demographic Characteristics | Adult/Adolescent Total Living Gender Diverse People with Diagnosed HIV | | | | | | | | | | |
|--|--|---------------------------|--------|-------------------------------|-------|-------------------------|-------|------------------------------|-------|--------------------------------|-------|
| | No. | Linked to HIV Care - Ever | | Linked to HIV Care - 3 Months | | Retained in Care - 2017 | | Suppressed Viral Load - Ever | | Suppressed Viral Load - Recent | |
| | | No. | % | No. | % | No. | % | No. | % | No. | % |
| Gender | | | | | | | | | | | |
| Transgender Women | 273 | 270 | 98.9% | 161 | 59.0% | 199 | 72.9% | 202 | 74.0% | 133 | 48.7% |
| Transgender Men | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** |
| Additional Gender Identity | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** |
| Age on December 31, 2017 | | | | | | | | | | | |
| 13-19 | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** |
| 20-29 | 82 | 80 | 97.6% | 50 | 61.0% | 53 | 64.6% | 54 | 65.9% | 30 | 36.6% |
| 30-39 | 106 | 106 | 100.0% | 65 | 61.3% | 80 | 75.5% | 74 | 69.8% | 49 | 46.2% |
| 40-49 | 50 | 49 | 98.0% | 28 | 56.0% | 38 | 76.0% | 44 | 88.0% | 30 | 60.0% |
| 50-59 | 28 | 27 | 96.4% | 14 | 50.0% | 20 | 71.4% | 23 | 82.1% | 13 | 46.4% |
| 60+ | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** |
| Race/Ethnicity | | | | | | | | | | | |
| Hispanic | 40 | 40 | 100.0% | 30 | 75.0% | 34 | 85.0% | 31 | 77.5% | 28 | 70.0% |
| Non-Hispanic | 246 | 242 | 98.4% | 138 | 56.1% | 176 | 71.5% | 182 | 74.0% | 112 | 45.5% |
| American Indian/Alaska Native, only | 0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Asian, only | 0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Black, only | 213 | 209 | 98.1% | 117 | 54.9% | 151 | 70.9% | 153 | 71.8% | 94 | 44.1% |
| Native Hawaiian/Other Pacific Islander, only | 0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| White, only | 15 | 15 | 100.0% | 8 | 53.3% | 11 | 73.3% | 14 | 93.3% | 8 | 53.3% |
| Multiracial/Other | 18 | 18 | 100.0% | 13 | 72.2% | 14 | 77.8% | 15 | 83.3% | 10 | 55.6% |
| Exposure Category | | | | | | | | | | | |
| Sexual Contact | 246 | 243 | 98.8% | 151 | 61.4% | 183 | 74.2% | 181 | 73.3% | 117 | 47.6% |
| Injection Drug Use | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** |
| Sexual Contact and Injection Drugs | 21 | 20 | 95.1% | 8 | 40.8% | 14 | 68.4% | 15 | 73.8% | 11 | 53.9% |
| Perinatal Transmission | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** |
| Other Exposure | 0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| No Estimated or Reported Exposure | 0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Total | | | | | | | | | | | |
| | 286 | 282 | 98.6% | 168 | 58.7% | 210 | 73.4% | 213 | 74.5% | 140 | 49.0% |

Glossary of Terms

Adult/Adolescent Living HIV Cases with AIDS: Reported gender diverse people with diagnosed HIV, age 13 years or older as of December 31st of the specified year, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases without AIDS: Reported gender diverse people with diagnosed HIV, age 13 years or older as of December 31st of the specified year, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, among diverse people, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Adult/Adolescent Total Living HIV Cases: Reported gender diverse people with diagnosed HIV, age 13 years or older as of December 31st of the specified year, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Total Transgender Living HIV Cases: Reported gender diverse people with diagnosed HIV, age 13 years or older as of December 31st of the specified year, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Age at HIV Diagnosis: Age group at time of initial HIV diagnosis.

Age on [date]: Age group of living gender diverse people with diagnosed HIV on the specified date.

Another Gender Identity: All other gender identities or gender expressions.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

Corrections: Residence in a state or federal prison. Does not include local jails and detention centers.

Current Residence: Jurisdiction of residence from the most recent report since January 1, 2009.

First CD4 Test Result Median Count: Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

First CD4 Test Result Percent: Percent of adult/adolescent reported HIV diagnoses, among diverse people, with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

Gender Expression: People's outward presentation of their gender which may or may not conform to socially defined behaviors and characteristics typically associated with being either masculine or feminine.

Gender Identity: Refers to one's internal understanding of one's own gender, or the gender with which a person identifies.

Injection Drug Use (IDU): Gender diverse people who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

Jurisdiction of Current Residence: Jurisdiction of residence from the most recent report since January 1, 2009.

Jurisdiction of Residence: Jurisdiction of residence at diagnosis or current residence.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at late time of initial HIV diagnosis or time of initial AIDS diagnosis.

Jurisdiction of Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Late HIV Diagnosis: Percent of adult/adolescent reported HIV diagnoses, among gender diverse people, with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Linked to Care: Percent of adult/adolescent reported HIV diagnoses, among gender diverse people, with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

Median Count: Median CD4 count (cells per microliter), among adult/adolescent total living gender diverse people with diagnosed HIV, of the most recent CD4 test result measured in the specified year.

Median Unsuppressed: Median unsuppressed viral load (copies per milliliter), among adult/adolescent total living gender diverse people with diagnosed HIV, of the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.

Other Exposure: People who received clotting factor for hemophilia/coagulation disorder, or received a transfusion of blood/blood components, or received a transplant of tissue/organs or artificial insemination, or worked in a health care or clinical laboratory setting.

Percent Living with AIDS: The percent of reported HIV diagnoses, among gender diverse people, with an AIDS diagnosis not reported to have died as of December 31st of the specified year

Percent Suppressed: Percent of adult/adolescent total living gender diverse people with diagnosed HIV with a recent viral load test result measured in the specified year of less than 200 copies per milliliter.

Perinatal Exposure: Any baby born to an HIV positive mother.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year.

Recent Viral Load Test Result: The most recent viral load test result measured in the specified year.

Retained in HIV Care: HIV diagnosed with a reported CD4 or viral load test result performed during the specified year.

Sexual Contact: People who report a history of sexual contact with a person who is known to have an HIV infection or at high risk for an HIV infection. High risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue and artificial insemination.

Sexual Contact/IDU: People who report a history of sexual contact with a person who is known to have an HIV infection or at high risk for an HIV infection who also have engaged in injection drug use.

Suppressed Viral Load: HIV Diagnosed with the most recent viral load measured in the specified year of less than 200 copies per milliliter.

Transgender Female: A person whose sex assigned at birth is male but whose gender identity is female.

Transgender Male: A person whose sex assigned at birth is female but whose gender identity is male.

Viral Load With Test: Number and percent of adult/adolescent total living gender diverse people with diagnosed HIV with a recent viral load test result.